VIDEO MONITOR PLATFORM

CMS3.0

User Manual

AN PHU VIET TRADING SERVICE CORPORATION
279/006C Au Co Str, Ward 5, Dist 11, HCMC
Tel: +848 3975 5581 - Fax: +848 3975 5582
Email: info@zeisic.com
www.zeisic.com

This user manual will be updated when the product's function enhanced, and will regularly improved and updated the product's description or the process. The updated details will be added into the new version. Forgive us to not notice you in other ways.

CONTENT

1. Installation&working Environment ..... - 4 -
1.1 Summary ..... - 4 -
1.2 CMS Working Environment ..... - 4 -
1.3 CMS Installation ..... - 5 -
1.4 CMS Uninstall ..... - 5 -
2. The Operation of CMS ..... - 5 -
2.1 Login CMS ..... - 5 -
2.2 Log Out ..... - 8 -
3. The Features of CMS ..... - 8 -
3.1 Realtime Monitoring ..... - 8 -
3.1.1 Split Screen ..... - 8 -
3.1.2 Device List ..... - 8 -
3.1.3 Video Monitoring ..... - 9 -
3.1.4 PTZ Control ..... - 9 -
3.1.5 PTZ Setting ..... - 10 -
3.1.6 Tools ..... - 12 -
3.1.7 Notice Information ..... - 14 -
3.2 Device Management ..... - 14 -
3.2.1 Setting of Encoder Manager ..... **Error! Bookmark not defined.**
3.2.2 Setting of Decode Manager ..... **Error! Bookmark not defined.**
3.2.3 Setting of Auto Search ..... - 16 -
3.3 Playback ..... - 17 -
3.3.1 Video Record ..... - 17 -
3.3.2 Video Record Retrieval ..... - 17 -
3.3.2.1 Video Record Playback ..... - 18 -

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3.3.2.2 Video Record Download ..... - 18 -
3.3.3 Local File ..... - 19 -
3.4 Business ..... - 20 -
3.4.1 Storage Manage ..... - 20 -
3.4.2 Tour Plan ..... - 21 -
3.4.3 Electronic Map ..... - 22 -
3.4.3.1 The operation of E-map ..... - 23 -
3.4.3.2 Arranging the Device on the Map ..... - 24 -
3.4.3.3 Canceling the E-map ..... - 24 -
3.4.3.4 Setting Hot Spot on E-Map ..... - 24 -
3.4.4 Alarm Link ..... - 24 -
3.5 User Manage ..... - 25 -
3.6 System Manage ..... - 26 -
3.6.1 Basic Setting ..... - 27 -
3.6.2 Alarm setting ..... - 27 -
3.6.3 Time Revision Setting ..... - 27 -
3.6.4 Record Store ..... - 27 -
3.6.5 Others Options ..... - 28 -
3.6.6 System Maintain ..... - 28 -

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1 Installation&working Environment

1.1 Summary

This software suits to manage a small internet area for security surveillance.

This software bases on Windows, and can running on PC.

CMS can browse realtime video of multiple cameras.

CMS can browse video playback of multiple cameras.

CMS can set multiple timing broadcasting, and realize the computer on duty.

CMS can set E-map, then know the location of every CCTV products.

CMS can set the alarm of the internet video surveillance, then realize the alarm linkage between the management software and CCTV products.

CMS has the function of video automatic backup, and mainly use for the none HDD background date backup, such as IP camera.

CMS can make surveillance plan for each device, each window, and each channel.

Each user can create a setting profile personally, and the habits and styles will not interfere with each other.

CMS can support Chinese and English.

⚠ ***Attention:*** *This software can connect with different types and different kinds of CCTV product, such as NVR/HVR/DVR/DVS/IPC. This user manual just describe the operation, and if want to know the detail information of this software, please read the introduction of this software. This manual provides to the man who design, execute, check and install the CCTV products, and the one should have the basic operation knowledge and experience of the NVR/HVR/DVR/ DVS/IPC.*

1.2 CMS Working Environment

O.S	Windows2000/XP/2003/Vista/Windows 7
CPU	Above 2.4 GHZ
	Must support hardware graphic card (e.g. ATI、TNT2 PRO), suggest use

Graphics	the dual channel graphics of ATI9800 or more then 128M.
Memory	1G or above
Screen	Recommend 1024*768 display resolution
NIC	100/1000M
Prompt:If the software need to manage many channels, then the memory, graphics card, and CPU need better configuration.	

1.3 CMS Installation

Step 1: Double click CMS3.0 installation package, then the installation dialog will appear.

Step 2: Click "Next", then select the installation path. The default path is “C:\Program Files\CMS3.0”.

Step 3: Click "Next" and wait for the complete of installation. Last click "Finish".

Prompt: If the computer has been installed different versions of CMS, recommended to uninstall the original version of CMS, then according to the installation process of software installation.

1.4 CMS Uninstall

Method 1: Click Start - Program - Video Monitoring System - Uninstall the video monitoring system. Uninstall the CMS will delete all relevant documents. So we advice you to backup the video and capture image file before uninstalling.

Method 2: Enter the system control panel, then select “CMS”, next select "delete". Uninstall the CMS will delete all relevant documents. So we advice you to backup the video and capture image file before uninstalling.

2 The Operation of CMS

2.1 Login CMS

Step1: Double-click the CMS3.0 shortcuts on the screen, then the login interface

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will appear. Then input the User name and Password. The default user name is "admin" and the password is "123456". Choose "Save"means saving user name and password. Choose “Auto”, then next time you can login directly without inputting user name and password.

Step 2: Click "OK", then can login to the main program show as below.

Click "Cancel", then cancel to login.

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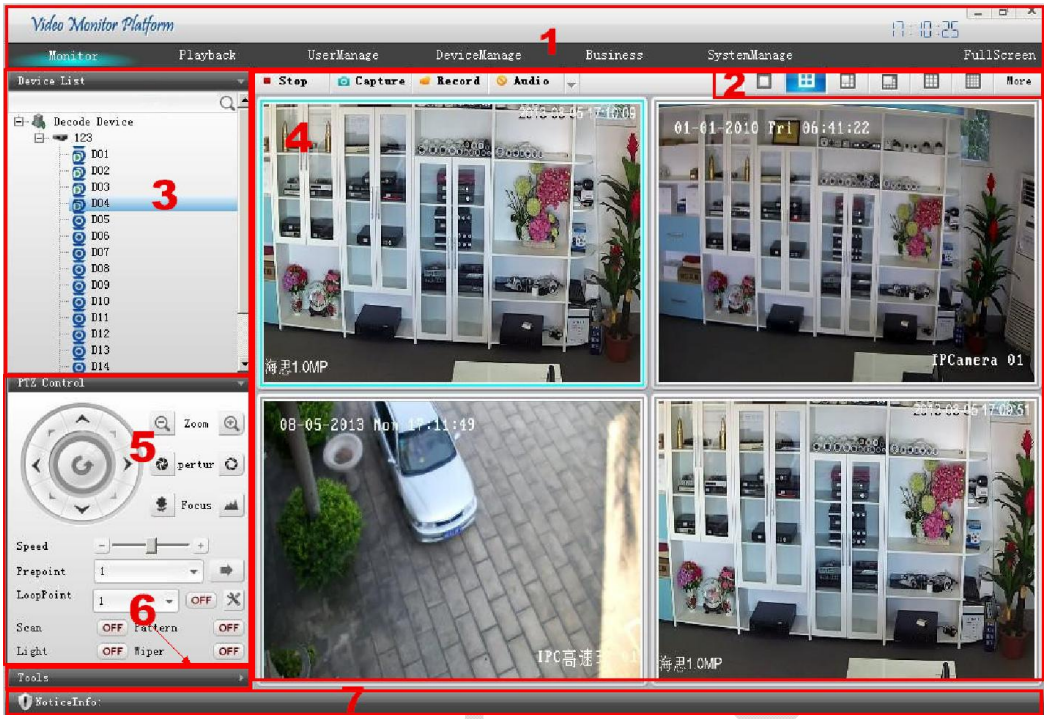

【The basic features of the CMS】

1	**Monitor**	Multiple channels realtime surveillance, shortcuts, PTZ Control, etc.
	Playback	Playback and download
	User manage	Add, delete, and modify
	Device manage	Add/delete encoder and decoder, and support auto search.
	Business	Storage manage, Tour plan, E-map, Alarm-link
	System manage	Language setting, Start with the OS, Auto login, Start the time record, Restore the preview. Alarm setting, Time checking, Record store. Alarm record path, User profile input and output etc.
2	**Split Screen**	The screen can be setted as one, four, six, eight, nine, sixteen, Twenty five, Thirty six, Forty nine, and Sixty five.
3	**Device list**	Display the device as "Directory tree", all the information can be seen on the tree.

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4	**Monitoring windows**	Multiple realtime recording. Have Stop, Capture, Record, and Audio function.
5	**PTZ control**	Control the PTZ direction, zoom, focus, and aperture. PTZ setting, such as Speed, Pre point, Loop point, Scan, Pattern, Light, Wiper.
6	**Tools**	Shortcuts.
7	**Notice Info.**	Display alarm, log message,etc.

2.2 Log Out

Click the "×", then log out the CMS.

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3 The Features of CMS

3.1 Realtime Monitoring

Realtime monitoring mainly for monitoring equipment, and can scan the video surveillance equipment directly, also can set tour and PTZ monitoring.

3.1.1 Split Screen

Choose the split screen

The screen can be setted as one, four, six, eight, nine, sixteen, Twenty five, Thirty six, Forty nine, and Sixty five.

3.1.2 Device List

double click the device. If the video shows on the screen, means connected. If the video not show on the screen, means the device is not online or the device adds error. Double click the channel name, then can see the realtime video recoding.

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【Other Features】If the device is DVR/NVR/HVR and connected with the CMS. Then click right button of the mouse on the connected device, you can setting Remote setup, Time synchronization, Talkback, Refresh "channel", Open all the main stream, and sub stream. If the device is IPC and not connected, you can open the main stream and sub stream. Click the right mouse button, the connection state the device name. Other features is the same as the other device.

3.1.3 Video Monitoring

Double click the device in the device list will appear the operate menu, and them are Close the window, Audio, Local recording, Capture, Resolution.

3.1.4 PTZ Control

PTZ control interface as below:

Control the PTZ direction, zoom, focus, and aperture.

PTZ setting, such as Speed, Pre point, Loop point, Scan, Pattern, Light, Wiper.

Opening video interface which you select (Windows have blue frame), so that can control

PTZ (the channels' PTZ setting will not give instruction here).

1)【**Direction control**】 Control up, down, left, right.

Press the mouse means controlling. Loosen mouse means stop controlling.

2)【**Zoom**】Adjust and control the zoom of the PTZ camera lens.

Click PTZ zoom lens will reduce. Click PTZ zoom lens will amplify.

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3)【**Aperture**】Adjust and control the aperture distance of the PTZ camera lens.

Click PTZ aperture will reduce. Click PTZ aperture will amplify.

4)【**Focus**】Adjust and control the focus of the PTZ camera lens.

Click PTZ focus lens will reduce. Click PTZ focus lens will amplify.

5)【**Speed**】Control the direction of Up,Down, Left, Right, Tour Speed by setting the speed.

Click - reduce + amplify or use to set the speed.

6)【**Pre Point**】Move the PTZ to the Preset Point after input the Preset point.

Choose the preset point or input the number, then click come to the Pre Point.

7)【**Loop Point**】Control the tour.

Choose the tour line or input the number, then click OFF to ON, means the PTZ would move due to the tour. Then click ON to OFF, means stop the tour.

8)【**Scan**】Click OFF to ON and the PTZ would start Scan follow the setting line, click ON to OFF to stop Scan.

9）【**Pattern**】Click OFF to ON and the PTZ would start Pattern follow the setting line,click ON to OFF to stop Pattern.

3.1.5 PTZ Setting

Click enter into the PTZ setting interface as below.

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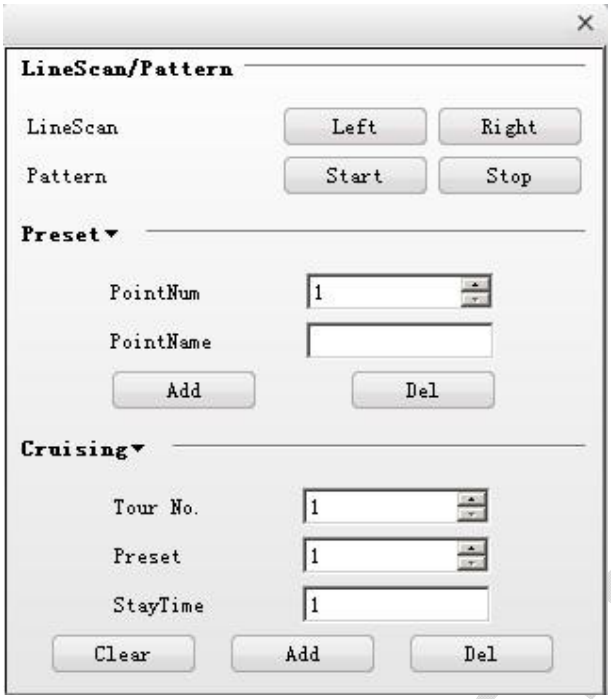


1)【Line Scan】

Via direction button to set the left side of Line Scan, then click Left to confirm it. The same operation to set the right side, and click Right to confirm it. Then setting is over.

2)【Pattern】

Click Start then start to record the pattern line. Then back to the PTZ interface to set the Direction, Zoom, Focus, and Aperture. Next, come back to PTZ setting and click Stop . The pattern line is setted completely.

3)【Preset】

Input the Preset Point Number, named the Preset Point Name, Stay Time, and set the PTZ Speed. Click Add and the preset point added. Select the Preset Point Number or input Preset Point Number, then click Del and this point deleted.

4)【Cruising】

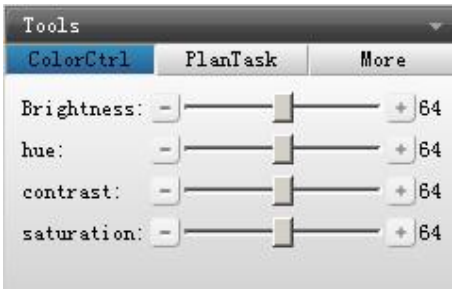
Setting the Tour Number, Preset and Stay Time. This can Clear, add, and Delete the point.

3.1.6 Tools

【Color Control】

Color Control can adjust the Brightness, Hue, Contrast, and Saturation. Then get the best picture.

Using to adjust the Brightness, Hue, Contrast, and Saturation.



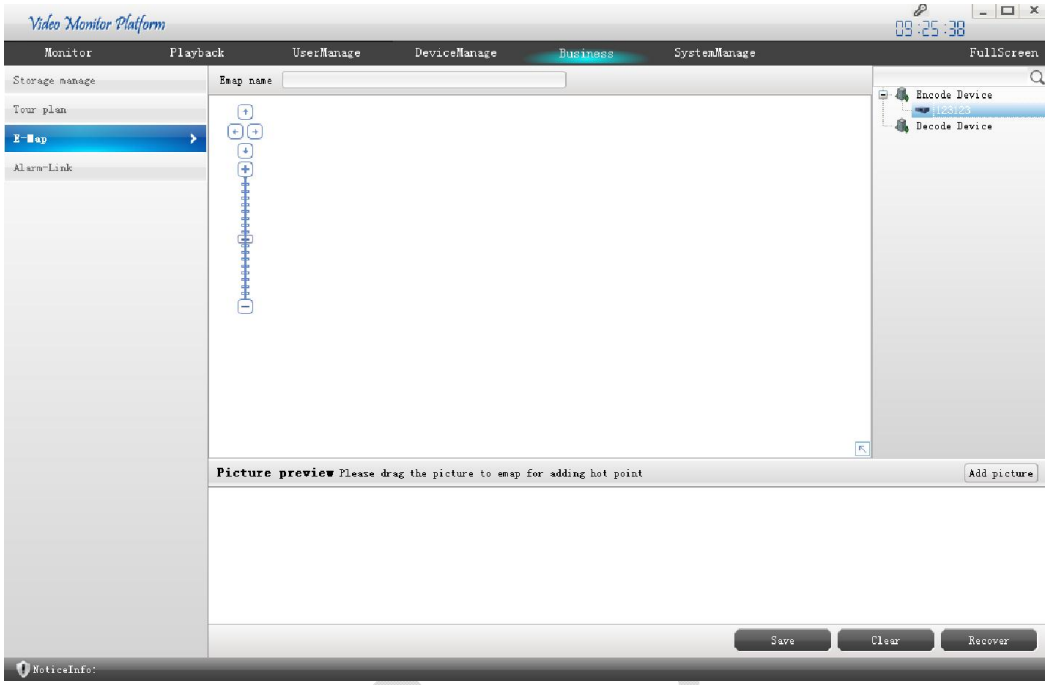
【Plan Task】 (Tour and Alarm)

Click OFF into ON, then start to tour. Click ON into OFF, then stop tour.

【More】

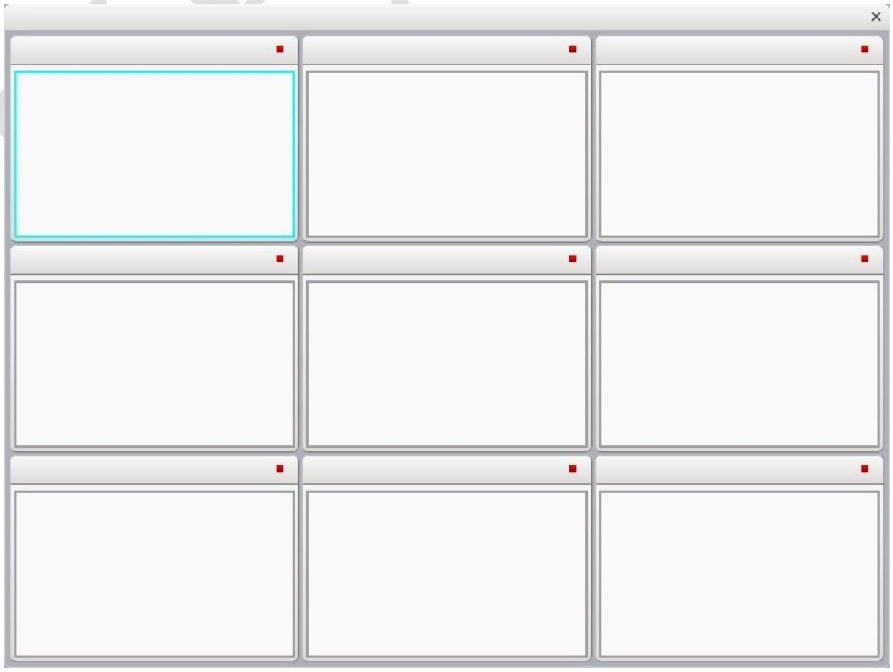
【E-map】

Click , then the E-map will appear on the screen as below.



【Alarm Link】

Click , then the Alarm Link will appear as below.



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【Tools Time Record】

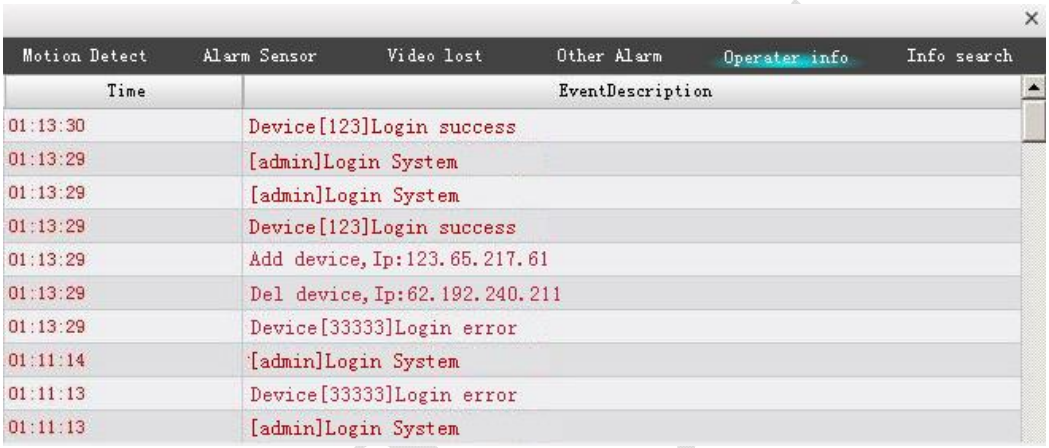
ON means start the "Video recording plan".

OFF means stop the "Video recording plan".

3.1.7 Notice Information

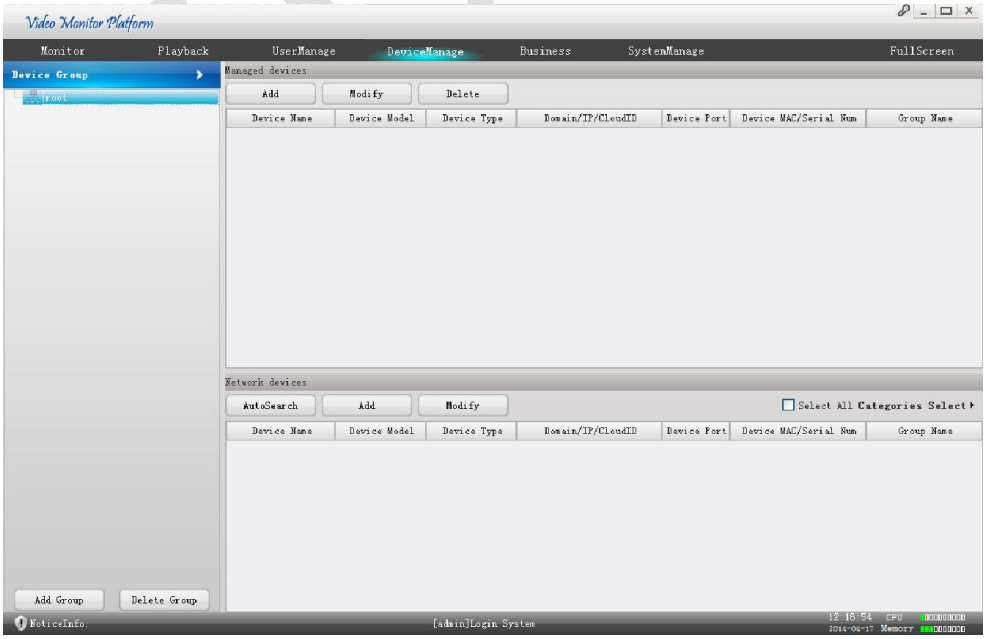
Click this area

, then will appear info. as below.



3.2 Device Management

This part can Add, Modify and Delete device, and also can Auto Search device.



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3.2.1 Device Group

【Add Group】: Add device group

【Delete Group】: Delete group and devices in the group.

3.2.2 Network Devices

【AutoSearch】: Auto search for LAN devices

【Add 】: Check the LAN devices and click

,then the devices will be added in the 【Manged devices】box.

【Modify】: check the LAN devices and click

, you can modify the device information, such as device ip or port.

【Select All】: check the Select box, add all LAN devices.

【Categories Select】: click the triangle, you can categories select and add.

3.2.3 Manged Devices

【Add Device】Click

, then input some correct information of the device. Then click

and the device add into the device list.

【Modify Device】Selected device and then click

to modify the information of the device. And then click

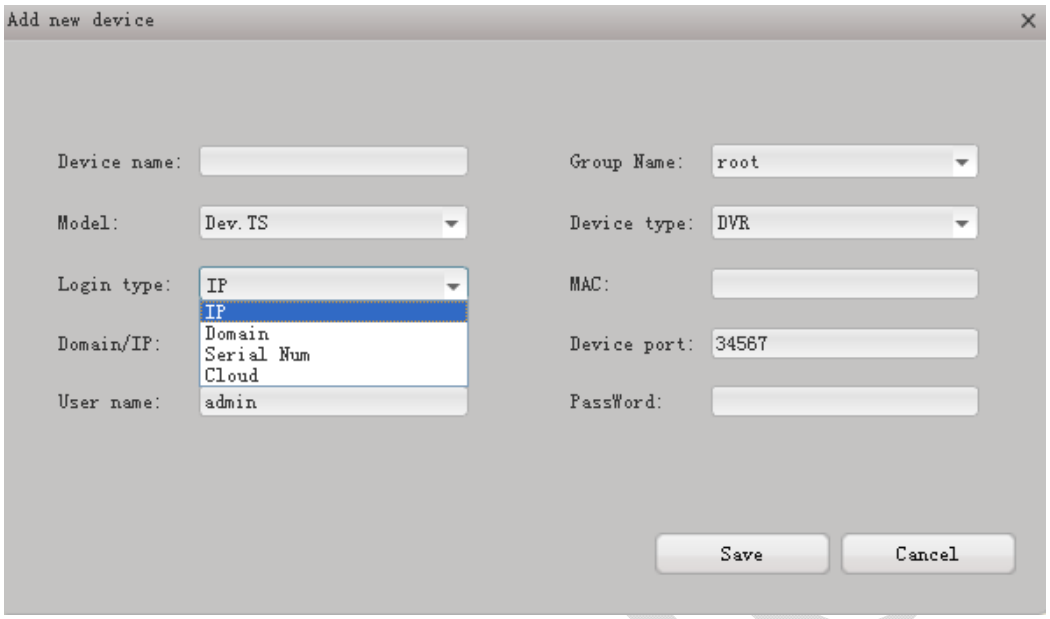
to save the new informations.

【Delete Device】Selected device and then click

to delete device.

Tip1: click

, you can choose login type, such as IP, Domain, Serial, Cloud as below.



3.2.4 Setting of Auto Search

Click AutoSearch, after fewer minutes, the device will appear. Choose which one need to add, then click Add and the device will appear in the device list at Monitor.

Tip 1

The device can not be added repeatedly, and the new device's name and IP address can not the same with the former added device. If the same, then will notice you as below.

Tip 2

If Select All all device selected, then all device will add into the device list.

Tip 3

If click Categories Select you can categories select then add.

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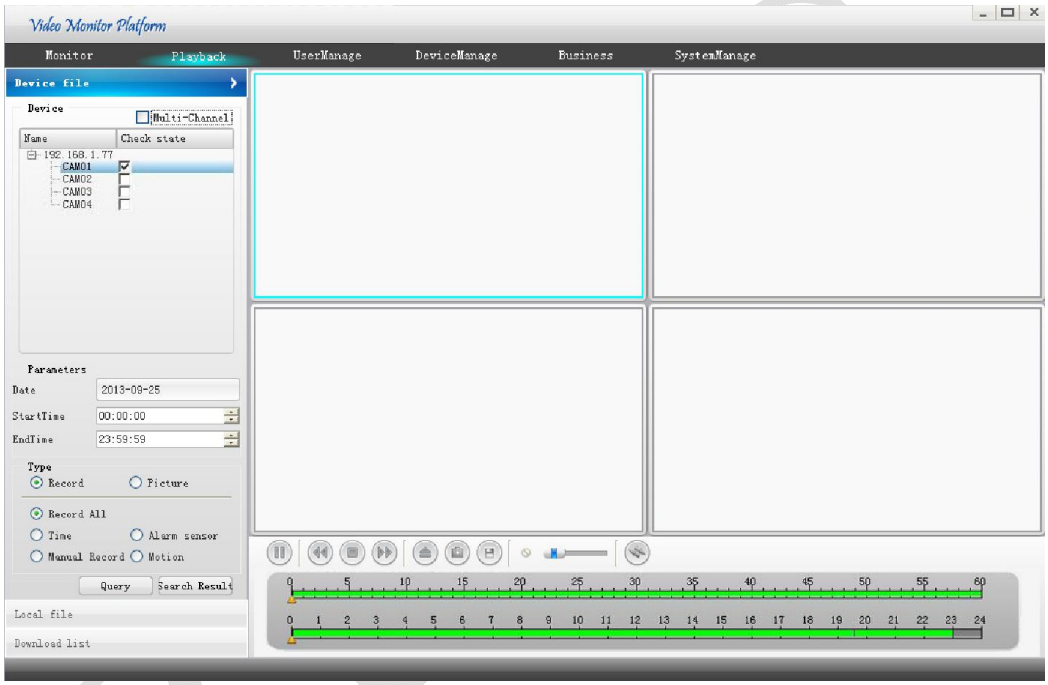
3.3 Playback

The user can search the video record of the device, also can download the video record, and also can search the local storage of the video record or manual video record.

3.3.1 Video Record

The interface shows as below.



3.3.2 Video Record Retrieval

Video Record Retrieval has many methods, such as Channel Retrieval, Time Retrieval, Record Retrieval, Picture Retrieval, and Record type Retrieval.

Query steps as below.

First, choose the device and the channel number.

Second, can select choose channel or multiple channels. Default means single channel, and only playback this channel. If select multiple channels, please add the channels (Max four channels) that needed. Then the added channels will playback synchronization.

Third, choose the Date, Start time and End time.

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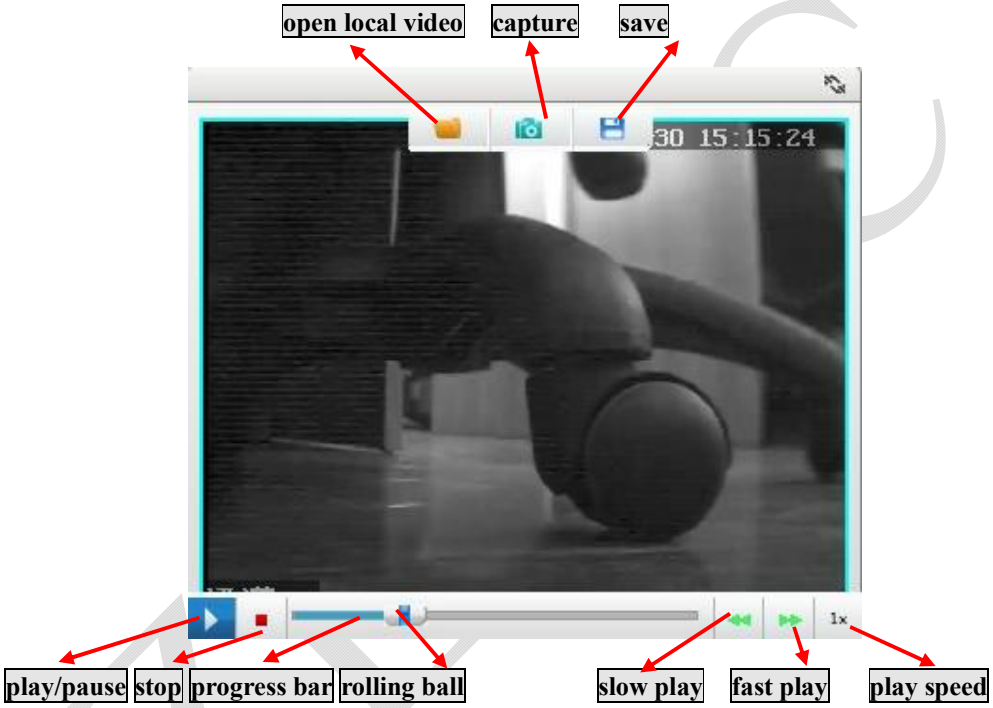
Fourth, choose record type. It contains Time, Manual Record, Alarm Sensor and Motion type.

Fifth, click Query, and the files list in Search Result.

3.3.2.1 Video Record Playback

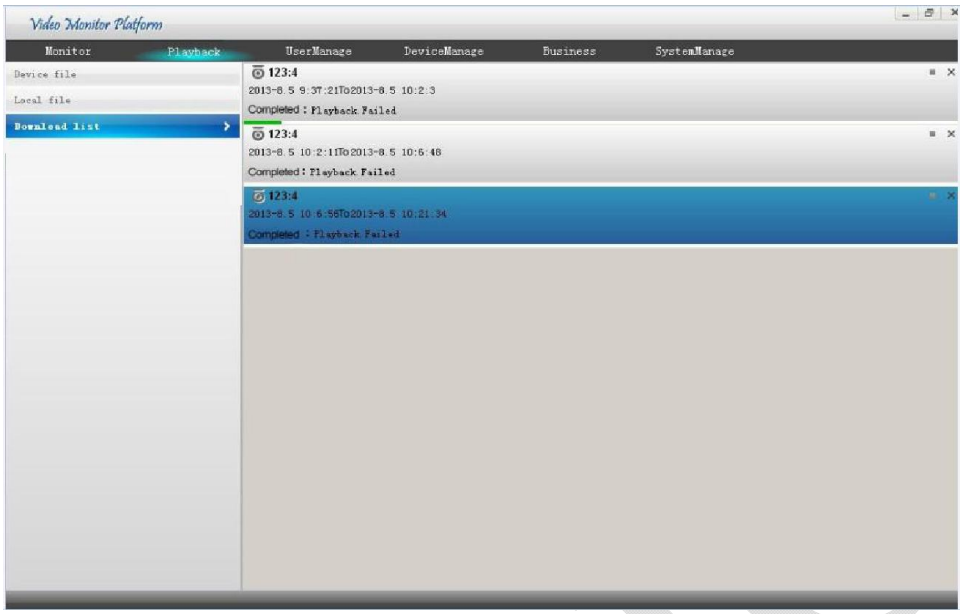
Choose the files that need to playback in the list. Then click PLAY and start to playback. If multiple channels then playback multiple channels video record.

The description of playback menu. And the interface shows as below.



3.3.2.2 Video Record Download

The interface shows as below.



Choose the files that need to download in the list. Then click DOWNLOAD and start to download. It can support download multiple files.

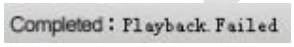
Download information as below.

【Pause】Click ■ and download pause. Click ▶ and download recovery.

【Delete】Click ✕ and download delete.

Channel name or Channel number.

Start and end time of download this file.



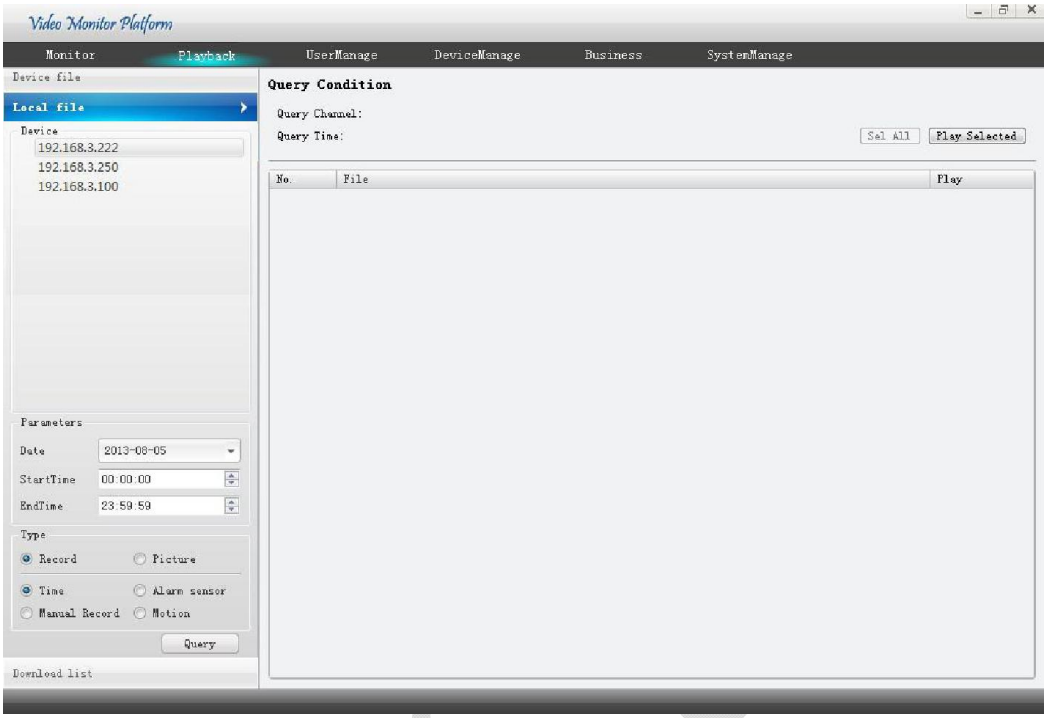
Show the download speed of this file.

3.3.3 Local File

Local files are stored in the computer's HDD. Query and playback are using these files.

The operation is the same with the 3.3.2.

Local file interface shows as below.



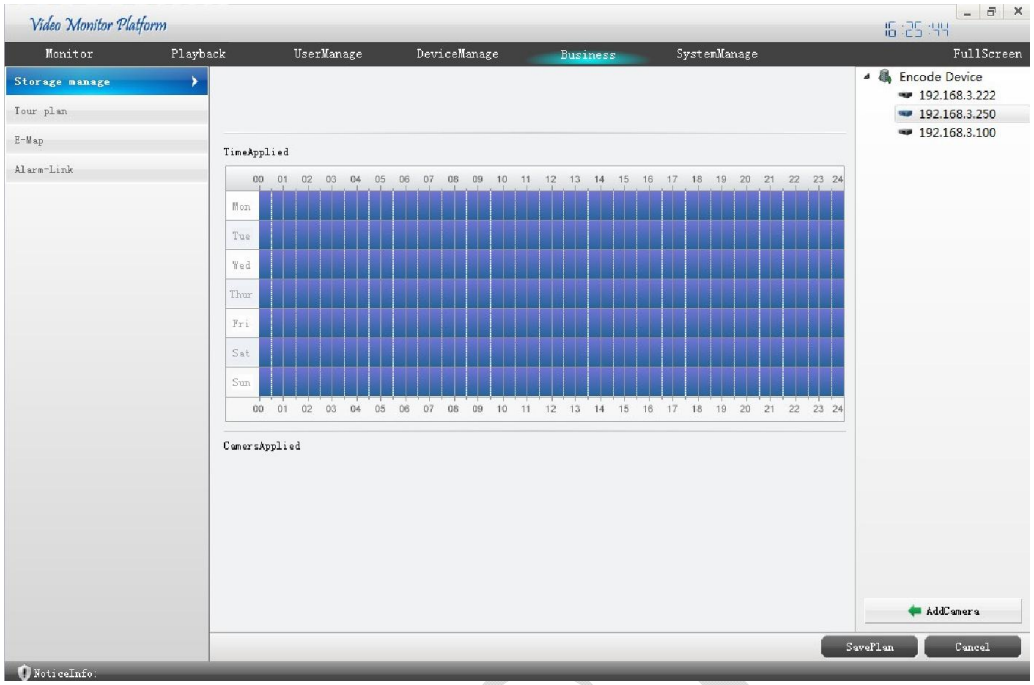
3.4 Business

Business part contains Storage manage, Tour Plan, E-Map, and Alarm-Link. All this can be better management of all device, and have a flexible view of surveillance.

3.4.1 Storage Manage

Memory manage's interface as below.

Storage manage can realtime record and store at local computer. This part can support many types of storage. Such as multiple devices store simultaneously, different period of time storage, normal recording storage and alarm recording storage.



【Operation Steps】

The operation steps of adding storage plan is as following.

Step one, input the name of storage plan, and choose the period time need to recording.

Step two, set the period time need to recording, multiple period time can be set.

Step three, add the camera that need to backup. Choose the channel of device camera, then click

to add a camera. All the added camera will appear in the "Camera applied".

Step four, click

and save all settings.

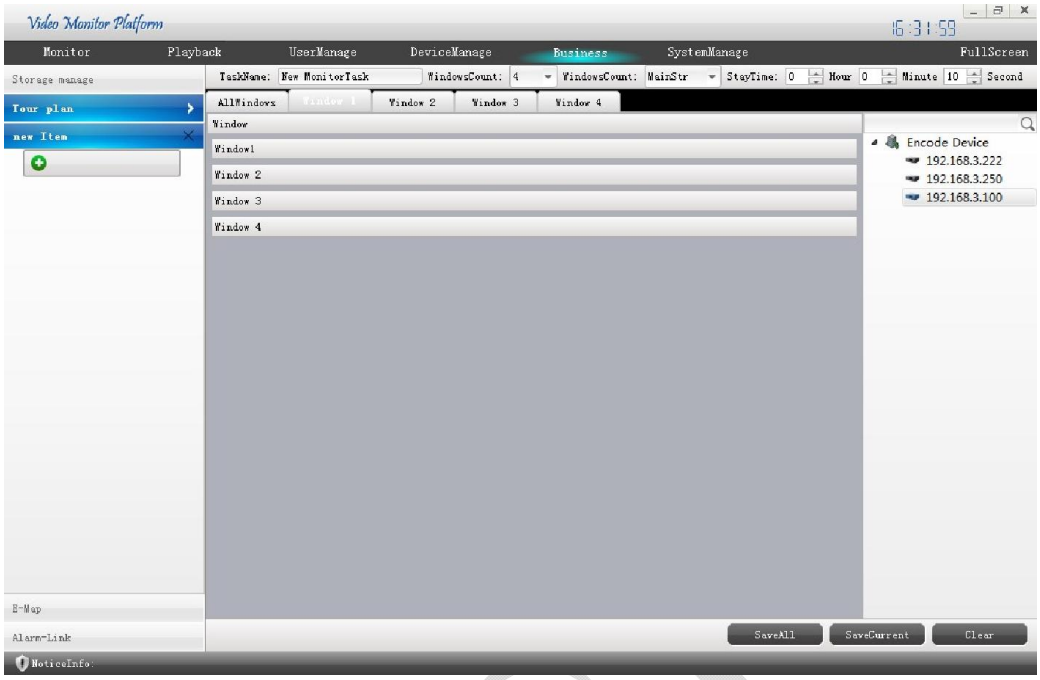
Step five, click
in the

and delete this camera.

3.4.2 Tour Plan

Tour plan can be set many plans for more convenient surveillance.

Tour Plan interface shows as below.



【Operation】

The steps to start Tour plan as below.

Step One, click

to add new item like this

.

Step Two, confirm a Task Name, choose the Windows Count and the Stream type, and set the Stay Time. Show as below.

Step Three, add the camera of the tour plan, choose the window 1 and then drag the camera in the list at the right side.

Step Four, click SaveCurrent and save the current tour plan. Click SaveAll and save all tour plans.

Step Five, in the Tools' Plan Task, Click OFF into ON, then start to tour. Click ON into OFF, then stop tour.

Step Six, click

to delete the tour plan.

3.4.3 Electronic Map

E-map can know the location of every device.

The E-map interface shows as below.

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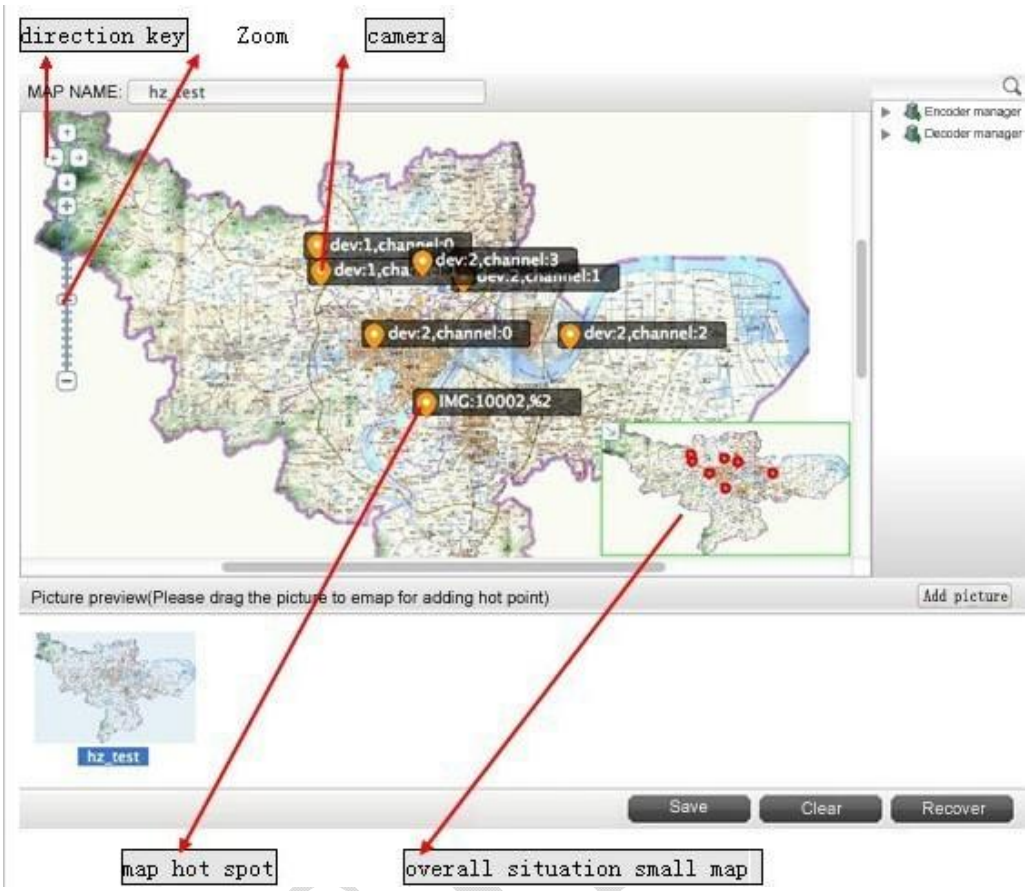
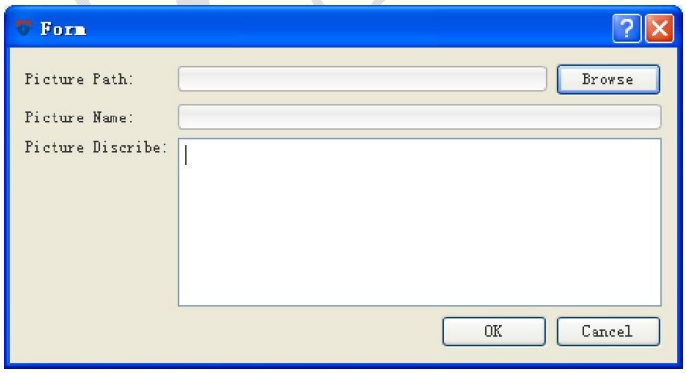


3.4.3.1 The operation of E-map

【Adding Picture】

Click Add picture, then this dialog will appear.



The you can choose the Picture path, picture name and picture describe. Then click OK and the picture added.

Note: the picture type is BMP or PNG .

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3.4.3.2 Arranging the Device on the Map

After adding the picture, double-click the picture, then the pictures will come to the preview window. Then drag the device at the device list at right side into the picture, click Save then the device added.

3.4.3.3 Canceling the E-map

Choose the map that you want to delete, and then click right button to REMOVE. Click Clear then the device on the map cleared. Click Recover, the device cleared will recover.

3.4.3.4 Setting Hot Spot on E-Map

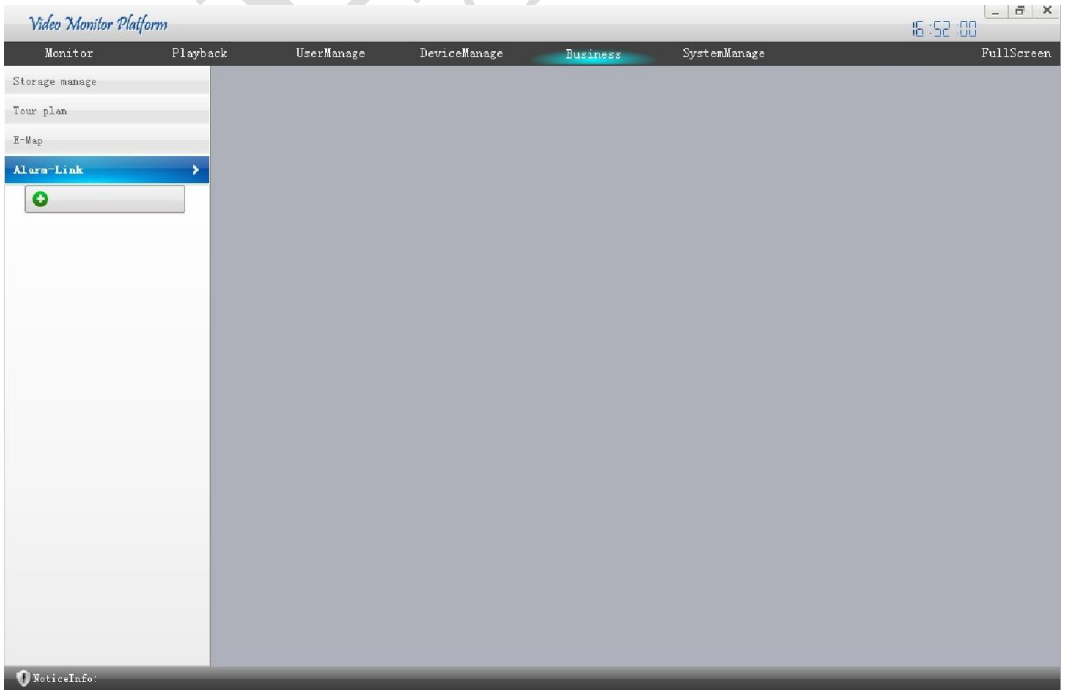
For example, could add “Map of Binjiang” into “Map of Hanzhou”. And consider as a hot spot.

Operation way, drag the “Map of Binjiang” into “Map of Hanzhou” and make the “Map of Binjiang” located at Binjiang. Setting over.

3.4.4 Alarm Link

Alarm-link can feedback the video information in time. The feedback way as following. Such as pop up video, confirmed the location of the device, and snap picture.

Alarm-link interface shows as below.



AN PHU VIET TRADING SERVICE CORPORATION
279/006C Au Co Str, Ward 5, Dist 11, HCMC
Tel: +848 3975 5581 - Fax: +848 3975 5582
Email: info@zeisic.com
www.zeisic.com

Built alarm link as below.

Step One, click , add new alarm link.

Step Two, choose the alarm type and choose camera in the device list. Then show the windows the Stay Time, link preset. Last add the camera into the alarm link list.

Step Three, decide alarm link or not (this need to built storage plan). Confirm the recording time before and after alarm started.

Step Four, Set the alarm notice. This can confirm the location of the device, snap picture and play video automatically.

Step Five, click

to save the alarm link.

Step six, click to cancel the alarm task in the list.

3.5 User Manage

User manage default the admin as the highest authority user, using admin login can add, delete, modify other user's operation.

The user manage interface as below. Here can scan user and view the user' permissions to manage the device.

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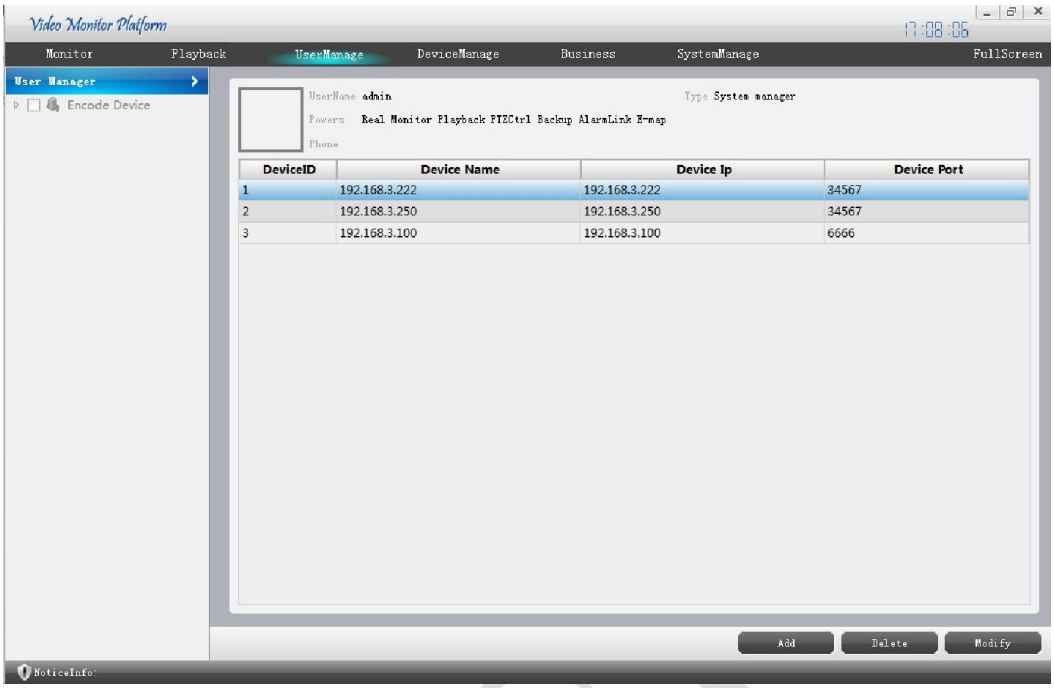
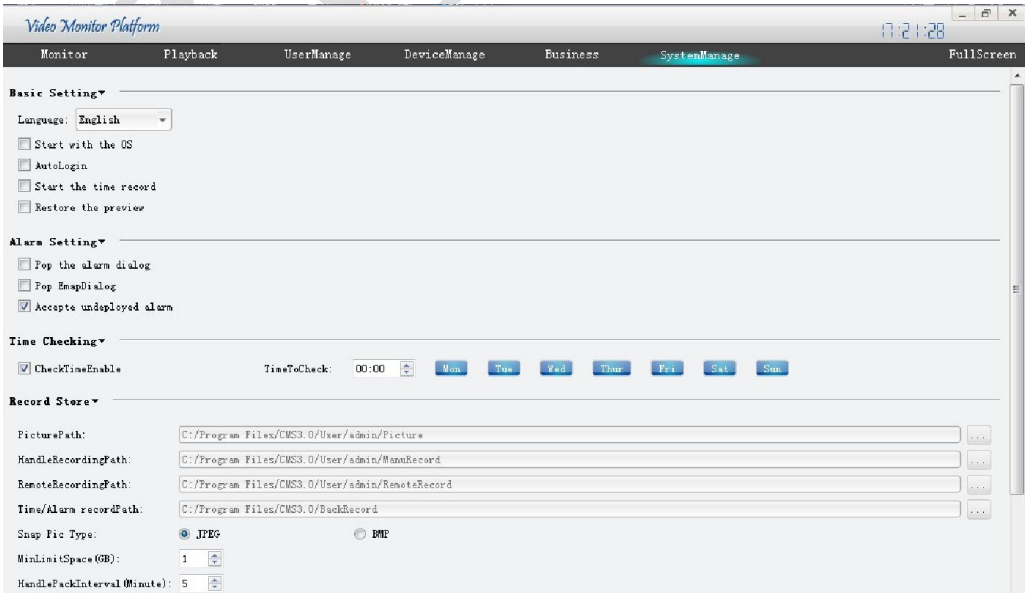
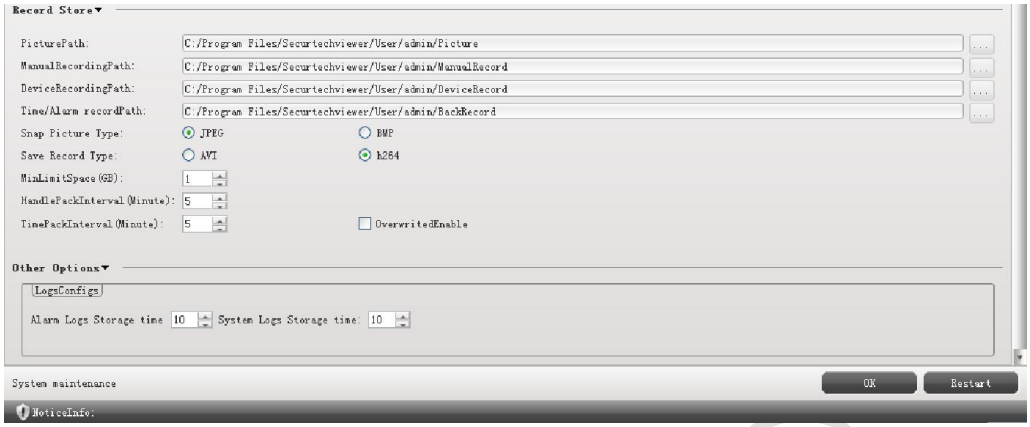


3.6 System Manage

System manage includes Basic Setting, Alarm Setting, Time Checking, Record Store, and other Options. And each part has many settings as following.

System Manage interface shows as below.





3.6.1 Basic Setting

【Language】 Support two languages, that is , Chinese and English.

【Auto Login】Auto login CMS or not. Choose means “YES”. Otherwise, “NO”.

【Start the Time Record】Begin to record.

【Restore the Preview】Choose means when you restart the CMS, the CMS will run in the same condition after you logout last time. such as monitoring, tour.

3.6.2 Alarm setting

【Pop the Alarm Dialog】Choose means alarm with sound.

【Pop E-map Dialog】 Choose means alarm will show in the E-map. And you can choose one window or fours windows.

【Accept Un-deployed Alarm】Choose means can receive system information.

3.6.3 Time Revision Setting

【Check Time Enable】Choose means check time automatically, and also can choose the check period time of the check point.

3.6.4 Record Store

【Picture Path】Choose as the user will.

【Manual Recording Path】Choose as the user will.

【Device Recording Path】Choose as the user will.

【Time/Alarm Recording Path】Choose as the user will.

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Email: info@zeisic.com
www.zeisic.com

The Snap picture type can be JPEG and BMP.

The Save Record type can be AVI and H264.

3.6.5 Others Options

【Logs Configure】Can set the Alarm Logs Storage time and the System Logs Storage Time.

3.6.6 System Maintain

After the software working for long time and need to maintain, the user could click

to confirm the software can regular work go on.

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